STRELOV, K.K.; MAMYKIN, P.S.; Prinimali uchastiye: BAS'YAS, I.P.; BICHURINA, A.A.; BRON, V.A.; VECHER, N.A.; VOROB'YEVA, K.V.; D'YACHKOVA, Z.S.; D'YACHKOV, P.N.; DVORKIND, M.M.; IGNATOVA, T.S.; KAYBICHEVA, M.N.; KELAREV, N.V.; KOSOLAPOV, Ye.F.; MAR'YEVICH, N.I.; MIKHAYLOV, Yu.F.; SEMKINA, N.V.; STARTSEV, D.A.; SYREYSHCHIKOV, Yu.Ye.; TARNOVSKIY, G.I.; FLYAGIN, V.G.; FREYDENBERG, A.S.; KHOROSHAVIN, L.B.; CHUBUKOV, M.F.; SHVARTSMAN, I.Sh.; SHCHETNIKOVA, I.L.

Institutes and enterprises. Ogneupory 27 no.11:499-501 '62. (MIRA 15:11)

1. Vostochnyy institut ogneuporov (for Strelov). 2. Ural'skiy politekhnicheskiy institut im. S.M. Kirova (for Mamykin).
(Refractory materials--Research)

AUTHORS: Vecher, M.A., Lebedev, A.A. and Korneyev, N.D. (Engineers)

TITLE: Use of sinter in open-hearth furnace smelting. (Primeneniye aglomerata v martenovskoy plavke). 130 - 6 - 8/27

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.6, pp.17-19 (USSR).

ABSTRACT: Open-hearth ore has been partly or completely replaced by sinter at the Nizhne-Tagil'sk metallurgical combine since early in 1956. From experimental heats and the statistical treatment of operating data the following main conclusions are drawn: under otherwise similar conditions more sinter is charged than ore (e.g. 8% more for rail steel); more slag is run with sinter than with ore; because of its lower melting point the duration of melting is reduced with sinter to 12-15 min. per heat; the melt-down slag contains more ferrous oxide; the phosphorus content at melt-down is 0.002-0.012% less; the consumption of ore for refining is less because of the more oxidized melt-down slag obtained with sinter; and lime and bauxite consumptions are also less; the rate of carbon removal during the ore boil is less and the duration of finishing is reduced. The reasons for these effects of sinter are discussed and the corresponding quantitative data tabulated. The composition of the sinter was: 58.6% Fe, 19.2% FeO, 62.6% Fe2O3,

Card 1/2

Use of sinter in open-hearth furnace smelting. (Cont.)

0.15% S, 0.047% P, 0.82% Mn, 7.6% SiO2, 3.82% CaO, 1.60% MgO, 3.35% Al_2O_3; it contained 25% of <10 mm fines on charging.

There are 2 tables.

ASSOCIATION: Nizhne-Tagil'sk Metallurgical Combine. (Nizhne-Tagil'skiy Metallurgicheskiy Kombinat).

AVAILABLE:

Card 2/2

KOROLEV, A.I.; BLINOV, S.T.; LUBENETS, I.A.; KOBURNEYEV, I.M.; TURUBINER, A.L.; VASIL'YEV, S.V.; CHERNENKO, M.A.; BELOV, I.V.; TELESOV, S.A.; MAZOV, V.F.; MEDVEDEV, V.A.; MAL'KOV, V.G.; BUL'SKIY, M.T.; TRUBETSKOV, K.M.; SHNEYEROV, Ya.A.; SLADKOSHTEYEV, V.T.; PALANT, V.I.; KUROCHKIN, B.N.; ZHDANOV , A.M.; BELIKOV, K.N.; SABIYEV, M.P.; GARBUZ, G.A.; PODGORETSKIY, A.A.; AL'FEROV, K.S.; NOVOLODSKIY, P.I.; MOROZOV, A.N.; VASIL'YEV, A.N.; MARAKHOVSKIY, I.S.; MALAKH, A.V.; VERKHOVTSEV, E.V.; AGAPOV, V.F.; VECHER, N.A.; PASTUKHOV, A.I.; BORODULIN, A.I.; VAYNSHTEYN, O.Ya.; ZHIGULIN, V.I.; DIKSHTEYN, Ye.I.; KLIMASENKO, L.S.; KOTIN, A.S.; MOLOTKOV, N.A.; SIVERSKIY, M.V.; ZHIDETSKIY, D.P.; MIKHAYLETS, N.S.; SLEPKANEV, P.N.; ZAVODCHIKOV, N.G.; GUDEMCHUK, V.A.; NAZAROV, P.M.; SAVOS'KIN, M.Ye.; NIKOLAYEV, A.S.

Reports (brief annotations). Biul. TSNIICHM no.18/19:36-39 '57. (MIRA 11:4)

1. Magnitogorskiy metallurgicheskiy kombinat (for Korolev, Belikov, Agapov, Dikshteyn). 2. Kuznetskiy metallurgicheskiy kombinat (for Blinov, Vasil'yev, A.N., Borodulin, Klimasenko). 3. Chelyabinskiy metallurgicheskiy zavod (for Lubenets, Vaynshteyn). 4. Zavod im. Dzherzhinskogo (for Koburneyev). 5. Zavod "Zaporozhstal'" (for Turubiner, Mazov, Podgoretskiy, Marakhovskiy, Savos'kin). 6. Makeyevskiy metallurgicheskiy zavod (for Vasil'yev, S.V., Mal'kov, Zhidetskiy, Al'ferov). 7. Stal'proyekt (for Chernenko, Zhdanov, Zavodchikov). 8. VNIIT (for Belov). 9. Stalinskiy metallurgicheskiy zavod (for Telesov, Malakh).

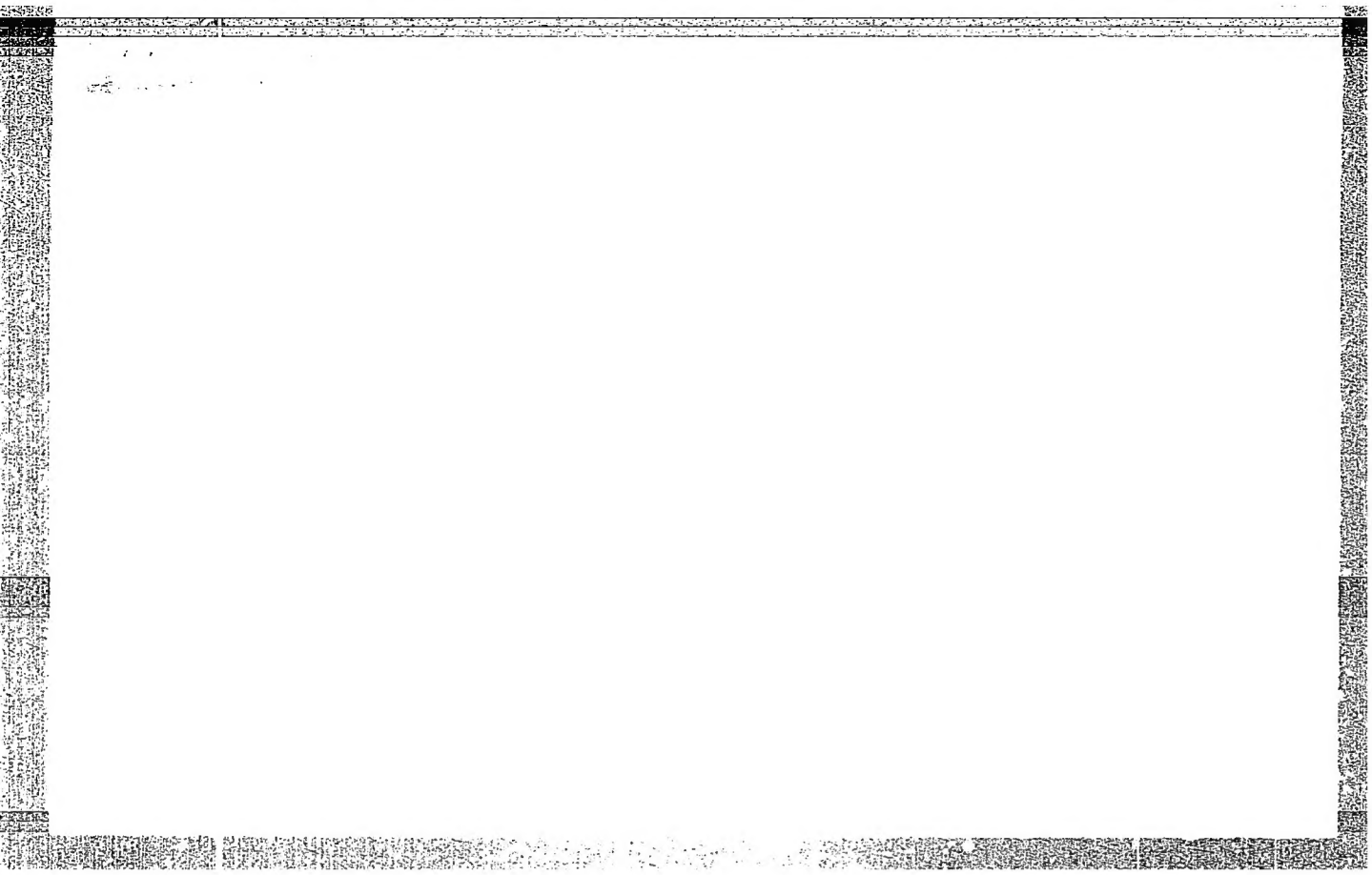
(Continued on next card)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220007-7"

KUROCHKIN, A.I.---(continued) Card 2.

10. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Medvedev, Novolodskiy, Vecher). 11. Zavod "Azovstal'" (for Bul'skiy, Slepkanev). 12. TSentral'nyy nauchno-issledovatel'skiy institit chernoy metallurgii (for Trubetskov). 13. Ukrainskiy institut metallov (for Shneyerov, Sladkoshteyev, Kotin). 14. Zavod "Krasnyy Oktyabr'" (for Palant). 15. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki (for Kurochkin). 16. Zavod im. Voroshilova (for Sabiyev). 17. Chelyabinskiy politekhnicheskiy institut (for Morozov). 18. Giprostal' (for Garbuz). 19. Ural'skiy institut chernykh metallov (for Pastukhov). 20. Zavod im. Petrovskogo (for Zhigulin). 21. Ministerstvo chernoy metallurgii USSR (for Molotkov, Siverskiy). 22. Glavspetsstal' Ministerstva chernoy metallurgii SSSR (for Nikolayev).

(Open-hearth process)



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220007-7"

137-58-6-11698

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 69 (USSR)

AUTHOR: Vecher, N.A.

TITLE: Use of Sinter in Open-hearth Smelting (Primeneniye aglomerata v martenovskoy plavke)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 427-430

ABSTRACT: Bibliographic entry. Ref. RzhMet, 1957, Nr 6, abstract 9693

1. Open hearth furnaces--Performance 2. Sinters--Applications

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SOV/137-58-7-14367

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 60 (USSR)

AUTHORS: Khudyakov, N.A., Krivonosov, V.S., Privalov, I.I., Vecher, N.A., Petrov, G.A.

TITLE: Open-hearth Procedures With Oxygen-enriched Air (O tekhnologii martenovskogo proizvodstva stali s primeneniyem kisloroda dlya obogashcheniya vozdukha)

PERIODICAL: Byul. nauchno-tekhn. inform. Ural'skiy n.-i. in-t chernykh metallov, 1957, Nr 3, pp 50-63

ABSTRACT: The experience of the Novo-Tagil Metallurgical Kombinat in using O_2 in its 380-t furnaces is presented. Only magnesite was used to service the furnaces. Charging was performed in from 1 hr to 1 hr 20 min. Melt-down time was significantly reduced. Utmost removal of P is facilitated by running off the slag without keeping it in the furnace. Slags from heats in which O_2 is used are characterized by higher basicity. The formation of the slag is accelerated. During the period when the O_2 operation of the furnace was being developed, an elevated C % was noted, but all conditions exist to attain a faster rate of C burn-off. [Mn] in heats with O_2 is somewhat higher

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Open-hearth Procedures With Oxygen-enriched Air

than in heats without O_2. [P] dropped to 0.012% instead of 0.02% in heats without the use of oxygen. The use of O_2 has a favorable effect on [S] although it is the lower, the more rapid the conduct of the heat. The following conclusions are drawn from the experimental heats conducted: use of O_2 increased output per open-hearth furnace by 15.6%; charging-box capacity should be raised from 1.24-1.75 m^3. The time required to heat the charge can be reduced to 40 or 50 min. Further increase in output depends upon organizational and technical measures, including an increase in the dimensions of the smelting volume of the furnace.

M.P.

1. Open hearth furnaces--Performance 2. Oxygen--Applications

PANFILOV, Mikhail Ivanovich; VECHER, N.A., retsenzent; DOKSHITSKIY, A.B., red.; BUR'KOV, M.M., red. izd-va; MATLYUK, R.M., tekhn. red.

[Handbook for the open-hearth furnace operator] Spravochnoe rukovodstvo stalevara martenovskoi pechi. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 298 p. (MIRA 14:11)

(Open-hearth process)

VECHER, N.A.; UMRIKHIN, P.V.; PANFILOV, M.I.; PASTUKHOV, A.I.; TSEKHANSKIY, M.I.; ARONOVICH, M.S.; POSYSAYEV, A.A., inzh.; GARCHENKO, V.T.; ORMAN, M.Ye.

Review of D.A.Smoliarenko's book "Quality of carbon steel." Stal' 23 no.9:800-804 S '63. (MIRA 16:10)

VECHER, N.A., inzh.; GERMAIDZE, G. Ye., inzh.; PANFILOV, M.I., dotsent; KHIL'KO, M.M., inzh.; MERSHCHIY, N.P., inzh.; ALFEROV, K.S.., inzh.; ANTONOV, S.P.; DIKSHTEYN, Ye.I.; YAGNYUK, M.I.; BELIKOV, K.N.; GONCHAREYSKIY, Ya.A.; TRIFONOV, A.G.; SEDACH, G.A.

"Open-hearth plants with large-capacity furnaces" by D.A. Smoliarenko, N.I. Efanova. Reviewed by N.A. Vecher and others. Stal' 21 no.2:125-126 F '61. (MIRA 14:3)

1. Sverdlovskiy sovet narodnogo khozyaystva (for Vecher, Germaidze, Panfilov).

(Open-hearth furnace—Design and construction)
(Smoliarenko, D.A.) (Efanova, N.I.)

ZAKHAROV, A.F.; VECHER, N.A.; LEKONTSEV, A.N.; RUDNITSKIY, P.M.; TSIMBALENKO, L.N.; TSUKERNIK, Z.G.; ARYASOV, N.I., inzh., retsenzent; DOVGOPOL, V.I., red.; DUBROV, L.F., red.; GETLING, Yu., red.

[Vanadium of the Kachkanar deposit] Kachkanarskii vanadii. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1964. 302 p. (MIRA 18:11)

VECHER, N.A., inzhener; LEBEDEV, A.A., inzhener; KORNEYEV, N.D., inzhener.

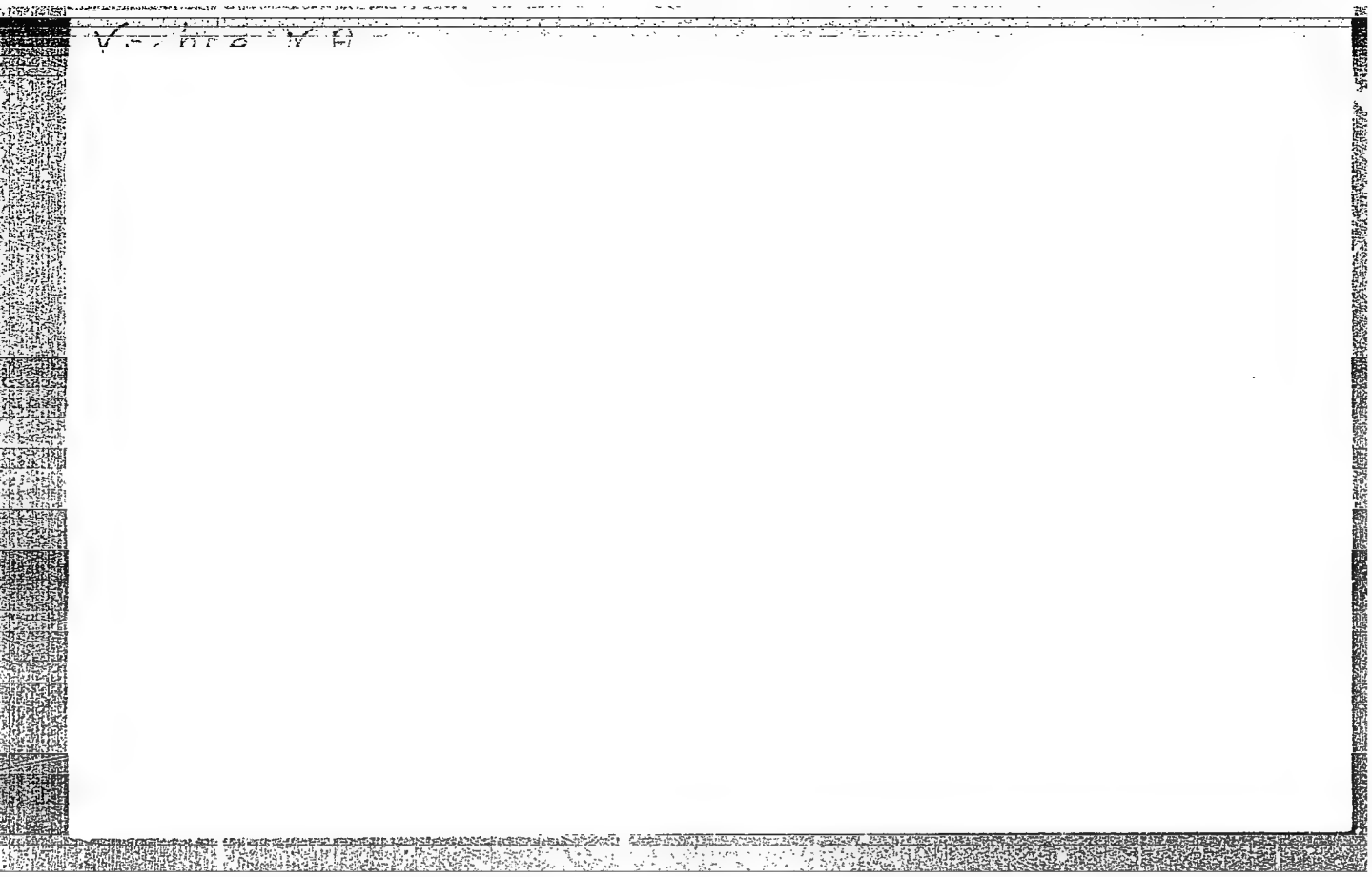
Using sinter in open-hearth furnaces. Stal' 16 no.12:1080-1083 D '56. (MLRA 10:9)

1. Novo-Tagil'skiy metallurgicheskiy zavod.
(Open-hearth furnaces)

VECHER, N.A., inzhener; LEBEDEV, A.A., inzhener; KORNEYEV, N.D., inzhener.

Using sinter in open hearth smelting. Metallurg 2 no.6:17-19 Je '57.
(MIRA 10:6)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.
(Smelting) (Open hearth furnaces)



VECHER, Nikolay Aleksandrovich; IVANOV, N.I., retsenzent; KULAKOV, A.M., retsenzent; LEPINSKIKH, B.M., red.; BAS'YAS, I.P., red.; MIKHAYLIKOV, S.V., red.; TEIEGIN, A.S., red.; BUR'KOV, M.M., red.izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Highly efficient open-hearth furnace performance] Vysokoproizvoditel'naia rabota martenovskikh pechei. Moskva, Metallurgizdat 1963. 270 p. (MIRA 16:8)
(Open-hearth furnaces)

VACHER, R.A.; GERASIMOV, Ya.I.; GEYDERIKH, V.A.

Iron activity in solid solutions of silicon in iron. Zhur. fiz. khim. 39 no.5:1229-1232 My '65. (MIRA 18:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

VECHER, R. A.; MOSKALEV, V.A.; GERASIMOV, Ya.I.

Thermodynamic properties of iron-silicon alloys. Dokl. AN SSSR 164 no.4:835-838 O '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet. 2. Chlen-korrespondent AN SSSR (for Gerasimov).

VECHER, R.A.; GEYDERIKH, V.A.; GERASIMOV, Ya.I.

Thermodynamic properties of iron-silicon alloys. Izv.AN SSSR. Neorg.mat. 1 no.10:1722-1731 O '65. (MIRA 18:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova. Submitted July 5, 1965.

L 1648-66 EWT(m)/EWP(w)/EPF(c)/EPF(n)-2/T/EWP(t)/EWP(b) IJP(c) JD/WW/JG

ACCESSION NR: AP5021428 UR/0076/65/039/008/2080/2081
541.11

AUTHOR: Vecher, A. A.; Vecher, R. A.; Geyderikh, V. A.; Vasil'yeva, I. A.

TITLE: Nature of the conductivity of the solid electrolyte 0.85 ThO_2 + 0.15 La_2O_3

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 8, 1965, 2080-2081

TOPIC TAGS: thorium oxide, lanthanum oxide, electric conductivity, galvanic cell, transference number

ABSTRACT: Derivation of the equation for the average ion transference number

$$\bar{t}_{ion} = \frac{E}{E_0}$$

shows that if the thermodynamic data for a reaction occurring in a cell are known, this equation can be used to calculate the average ion transference number for an electrolyte for certain given electrodes. The emf of the cell

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L 1648-66

ACCESSION NR: AP5021428

was measured at 1000°K and found to be 300 ± 20 mV. The thermodynamic emf E_0, calculated from data for FeO and SiO_2, is equal to 797 ± 20 mV. Hence, t_{ion} = 0.38 ± 0.03 for the electrolyte $0.85ThO_2 + 0.15La_2O_3$ with the electrodes Si, SiO_2 ($p_{O_2} \approx 10^{-37}$ atm) and Fe, FeO ($p \approx 10^{-21}$ atm), which is close to the value reported in the literature for the electrolyte $0.85ZrO_2 + 0.15CaO$ for approximately the same conditions. It is concluded that thermodynamic quantities for SiO_2 cannot be obtained by the emf method with a solid electrolyte having oxygen conductivity because an appreciable electronic conductivity arises in the electrolyte, and the galvanic cell ceases to be reversible. Orig. art. has: 4 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 06Mar65 ENCL: 01 SUB CODE: GC

NO REF SOV: 001 OTHER: 004

Card 2/2 LP

VECHER, A.A.; VECHER, R.A.; GEYDERIKH, V.A.; VASIL'EVA, L.A.

Nature of conductance of the solid electrolyte $0,85 ThO_2$ + $0,15 La_2O_3$. Zhur. fiz. khim. 39 no.8:2000-2021 Ag 1965. (MIRA 18:9)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

USSR / Farm Animals. General Problems Q-1

Abs Jour : Ref Zhur-Biol., No 6, 1958, 26096

Author : Zafren S., Vechora A.

Inst : Not given

Title : A New Method for the Preservation and Storage of the Moist Corn Grain for Fodder (Novyy sposob konserviro-vaniya i khraneniya vlazhnogo zerna kukuruzy na dorm)

Orig Pub : Molochn. i myasnoye zhivotnovodstvo, 1957, No 6, 35-39

Abstract : The experiments carried out by the authors demonstrated the possibility of the successful storage of the moist grain of the waxy ripe corn under anaerobic conditions in a storing place isolated from the air and provided with air-tight walls. The moisture amounted to about 40 percent. There was but 2-5 percent of mildewed grain.

Card 1/1

VECHERA, A.F.

"Means of Storing Untreated Kernels of Corn for Fodder";

dissertation for the degree of Candidate of Agricultural Sciences (awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

VECHEREYEV, L.Ye.

Growing peaches. Est.v shkole no.1:81-82 Ja-F '56. (MLRA 9:5)

1. Uchitel' biologii meditsinskogo uchilishcha goroda Zhitomira.
(Peach)

COVERAGE: This book is one in a series of textbooks prepared by the "Economics and Organization of the Machine-building Department" of the Moscow Institute of Engineering Economics, imeni S. Ordzhonikidze. Part I (Maintenance) is written by N.N. Zakharov, candidate of technical sciences, docent; Part II (Power), by I.M. Kheyster, candidate of technical sciences, docent; Part III (Equipment), by M.S. Murav'yev, candidate of technical sciences, docent; Part IV (Supply) by M.N. Demchenko, candidate of technical sciences, docent; Part V (Transportation) by M.N. Demchenko, Ya. P. Vecherin, and M.A Sventitskiy. The following aspects are discussed: organization, planning, economics of mainteneance, power, equipment, transportation, warehouses, and the question of supply operations in a machine-building plant.

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AVAILABLE: Library of Congress
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GO/ksv
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DOBROSEL'SKAYA, A.F., kand.tekhn.nauk; DLUGACH, B.A., kand.tekhn.nauk; VECHERIN, Ya.P., inzh.; DERIBAS, A.T.

Advisability of the operation of small-capacity approach lines. Trudy TSNII MPS no. 196:162-180 '60. (MIRA 14:5)
(Railroads--Branch lines)

VECHERIN, Ya.P., inzh.; DERIBAS, A.T.; DOBROSEL'SKAYA, A.F., kand.tekhn. nauk; PLADIS, F.A., inzh.; TIKHONCHUK, Yu.N., kand.ekon.nauk

Cooperative use of engineering equipment resulting from the combination of transportation systems. Vest.TSNII MPS 18 no.2:21-25 Mr '59. (MIRA 12:6)
(Railroads--Equipment and supplies)

VECHERIN, Ya.P.

DERIBAS, A.T., inzh.; DLUGACH, B.A., inzh.; VECHERIN, Ya.P., inzh.

The bunker or bunkerless loading of coal? Mekh.trud.rab. 11 no.9:24-26 S '57. (MIRA 10:11)

(Coal handling)

VECHERIN, Ya.P., inzh.; KUKUSHKIN, I.I., inzh.; DLUGACH, B.A., kand.tekhn.nauk

Estimating the equipment requirements of loading and unloading units.
Trudy TSNII MPS no. 196:79-108 '60. (MIRA 14:5)
(Loading and unloading)

VECHERIN, Ya.P., inzh.; KUKUSHKIN, I.I., inzh.

Operational requirements for the equipment of industrial railroad stations. Trudy TSNII MPS no. 196:130-161 '60. (MIRA 14:5)
(Railroads, Industrial)

GULEV, Ya.F.; VECHERIN, Ya.P.; FILIPPOVA, L.S., red.; VOROTNIKOVA, L.F., tekhn. red.

[Organization of uniform freight operations in the case of non-continuous conditions of the operations of industrial enterprises]Organizatsiia ravnomernoi gruzovoi raboty pri preryvnom rezhime raboty promyshlennykh predpriiatii. Moskva, Transzheldorizdat, 1961. 23 p. (MIRA 15:7)
(Loading and unloading) (Railroads—Freight)

DLUGACH, B.A., kandidat tekhnicheskikh nauk: VECHERIN, Ya.P., inzhener.

Technical calculations in equipping loading and unloading zones along sidings. Vest.TSNII MPS no.3:35-40 N '56. (MIRA 10:1)
(Loading and unloading)

VECHERKIN, S.G., gornyy inzhener; STARTSEV, Yu.G., gornyy inzhener.

Sliding of internal dumps at the Kamyshburun iron mines. Gor.zhur. no.4:57-59 Ap '56. (MLRA 9:7)
(Kerch--Strip mining) (Iron mines and mining)

Abs Jour : Referat.Zh.Biol., No 5, 1958, [illegible]

Author : Vecherkin, S.S., Esikov, V.I.

Inst : Not given

Title : Stimulants of Hemosporidiosis in Cattle in Boophilus calcaratus ticks.

Orig Pub : Tr. In-ta zool. i parazitol. AN KirgSSR, 1956, No 5, 129-134

Abstract : A study was conducted of hemosporidia morphology of large horned cattle on B. calcaratus ticks collected in a locality open to hemosporidiosis infections. In smears from salivary glands, Malpighian vessels, and ovaries, club-shaped, rhombiod-shaped, round, oval and pear-shaped hemosporidia were found (diameter 2-14). Parasites were found

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Abs Jour : Referat.Zh.Biol., No 2, 1958, 5349

Abstract : in 4% of tick eggs taken from clinically healthy cows (196 ticks) and from one diseased cow (1 tick). Hemosporidia in these cases had a club-shaped and rounded form (diameter 2-6 μ). When tick larvae ($\sim$800) were implanted on a healthy cow, the cow became sick and pyroplasms and "fransiella" [?] were found. This confirms that in the southern Kirghiz SSR the vectros of pyroplasm and fransiella in large horned

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa. R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21419

Author : Vecherkin, S.S.

Inst : Kirgiz Scientific Research Institute of Animal Husbandry and Veterinary Medicine.

Title : Data on the Epizootology of Hemosporidiases in Cattle of Southern Kirgizia

Orig Pub : Tr. Kirg. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, vyp. 13, 43-53

Abstract : No abstract.

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VECHERKIN, S.S., kand.veterin.nauk; YESIKOV, V.I., starshiy nauchnyy sotrudnik

Control measures against Hemosporidia infections in cattle in Kirghizistan. Veterinariia 40 no.7:17 Jl '63. (MIRA 16:8)

1. Kirgizskiy nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii.

(Kighizistan--Hemosporidia)
(Kirghizistan--Cattle--Diseases and pests)

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa. R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21418

of hemosporidiasis after it had begun. In the course of 2 weeks following the injection of the preparation no new outbreaks of the disease were in evidence. The dosages of the solution were 5 ml for adult animals and 3 ml for young stock. -- From the author's summary.

Card 2/2

VECHERKIN, S.S., kand.vet.nauk; YESIKOV, V.I., assistent; CHIKOV, A.N., nauchnyy sotrudnik

Intramuscular injection of trypaflavine for hemosporidiosis in cattle. Veterinariia 36 no.3:24-26 Mr '59. (MIRA 12:4)
(Hemosporidia) (Acriflavine)

G-3

USSR / Zooparasitology. Acarina and Insect-Vectors of Disease Pathogens.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33976

Author : Vecherkin, S. S., Esikov, V. L.
Inst : Not given
Title : Hemosporidiosis in Large Horned Cattle Caused by Boophilus Calcaratus Mites. -- Vozbuditeli gemosporidiozov krupnogo rogatogo skota v kleshchakh Boophilus calcaratus.

Orig Pub : Byul. nauchno-tekhn inform. Kirg. n.-i. in-t zhivotnovodstva i vet., 1956, No. 1-2, 54-55.

Abstract : Hemospiridin (H) was found in 73 semi-sated B. calcaratus females, collected from clinically healthy animals raised in a locality which is considered unsafe with respect to hemosporidiosis; they were collected in the following organs: in salivary glands (16.4%), Malgiphian vessels

Card 1/2

VECHERKIN, S.S.; YESIKOV, V.I.

Causative agents of cattle hemosporidioses found in Boophilus calcaratus ticks. Trudy Inst.zool.i paraz.AN Kir.SSR no.5:129-134 '56. (MLRA 10:5)

(Kirghizistan--Ticks as carriers of disease)
(Hemosporidia) (Parasites--Cattle)

VOCHKOV, I. S.

1639. Opyty Immunizatsii Ovets Protiv Babeziyelleza. M., 1954. 16s. 20cm. (M-Vo Sel'skogo Khozyaystva SSSR. Vsesoyuz. In-T Eksperim. Veterinarii). 110 EKZ. B. TS.-(54-53750)

SO: Knizhnaya Letopis', Vol. 1, 1955

VECHERKIN, S. S.

"The Results of Immunization of Sheep Against Babesiasis." Cand Vet Sci, All-Union Inst of Experimental Veterinary Medicine, Min Agriculture USSR, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

VOLKOVA, A.A.; GREBENYUK, R.V.; TIMOFEYEV, A.F.; VECHERKINA, L.G.

Experimental study on Dermacentor marginatus ticks as possible vectors of Brucella bovis. Trudy Inst.zool.i paraz.AN Kir.SSR no.7:161-172 '59. (MIRA 13:4)
(Ticks as carriers of disease) (Brucellosis)

VECHERKO, G.

For putting the principle of material self-interest into practice on collective farms. Den. i kred. 20 no.12:46-50 D '62. (MIRA 16:1)

1. Starshiy ekonomist otdela kreditovaniya kolkhozov Brestskoy oblastnoy kontory Gosbanka.

(Brest Province—Collective farms—Income distribution)
(Brest Province—Banks and banking)

VECHEREKOVA

CZECHOSLOVAKIA / Laboratory Equipment. F

Abs Jour: Ref Zhur-Khimiya, No 12, 1958, 39477.

Author : Vechezek, Kolarzhik, Khundela, Vecherkova.
Inst : Not given.
Title : An Electromagnetic Automatic Pipette.

Orig Pub: Chem. primysl, 1957, No 9, 487-489.

Abstract: A pipette (P) for aliquoting equal amounts of solution is provided with a piston which is displaced under the influence of an electromagnet. The time of aliquoting the solution and its removal from the pipette can be regulated and timed to one second, and even to less than one second when the volume of (P) is small. The accuracy of the aliquoting is 0.1% for 10 ml volume. The manipulation can be done by remote control.

Card 1/1

USSR/Human and Animal Morphology. Respiratory System. S-2

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88356

Abstract: of the tissue. The muscle fibres of the flap showed a tendency to regeneration. Nerve fibres and endings were preserved in the flap, thus securing its ability to survive. The multiple high ciliary epithelium of the bronchus is capable of metaplasia into a flat multilayer epithelium.

Card 2/2

VECHEROVA, Yu.M., tkachikha

Working with modernized looms, I will complete in five and a half years the assignment of the seven-year plan. Tekst. prom. 19 no.12:9-11 D '59. (MIRA 13:3)

1. Fabrika "Solidarnost'," Ivanovskogo sovnarkhoza.
(Ivanovo--Cotton manufacture)
(Looms)

GAGANOVA, V.I., brigadir pryadil'shchits, Geroy Sotsialisticheskogo Truda, delegat XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza; ROZHNEVA, M.I., delegat XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza; VECHEROVA, Yu.M., tkachikha, Geroy Sotsialisticheskogo Truda, delegat XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza

Reports of the delegates to the 22d Congress of the CPSU. Tekst.-prom. 22 no.1:5-12 Ja '62. (MIRA 15:2)

1. Vyshnevolotskiy khlopchatobumazhnyy kombinat (for Gaganova). 2. Pomoshchnik mastera Kupavinskoy tonkosukonnoy fabriki (for Rozhneva). 3. Savinskaya fabrika "Solidarnost'" (for Vecherova).
(Textile industry)
(Communist Party of the Soviet Union--Congresses)

VECHEROVSKIY, I.F., Doc Med Sci -- (diss) "Experimental and clinical data for the problem of the pathogenesis of acute osteomyelitis." Kazan', 1959, 34 pp (Kazan' State Med Inst) 260 copies (KL, 28-59, 130)

VECHEROVSKIY, I. F.

Doc Med Sci - (diss) "Experimental and clinical materials on the problem of the pathogenesis of acute osteomyelitis." Kazan', 1961. 32 pp; (Kazan' State Medical Inst); 280 copies; price not given; (KL,10-61 sup, 223)

VECHETA, A.

"Controlling the course of sugar crystallization."

LISTY CUKROVARNICKE, Praha, Czechoslovakia, Vol. 75, No. 4, April 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

MARSHALKIN, Georgiy Aleksandrovich; GUSAKOV, A.I., inzh., retsenzent; VECHERSKIY, P.A., dots., retsenzent; KRUGLOVA, G.I., red.; CHEBYSHEVA, Ye.A., tekhn.red.

[Engineering equipment for confectionery production] Tekhnologicheskoe oborudovanie konditerskogo proizvodstva. Moskva, Pishchepromizdat, 1957. 571 p. (MIRA 11:2)
(Confectionery--Equipment and supplies)

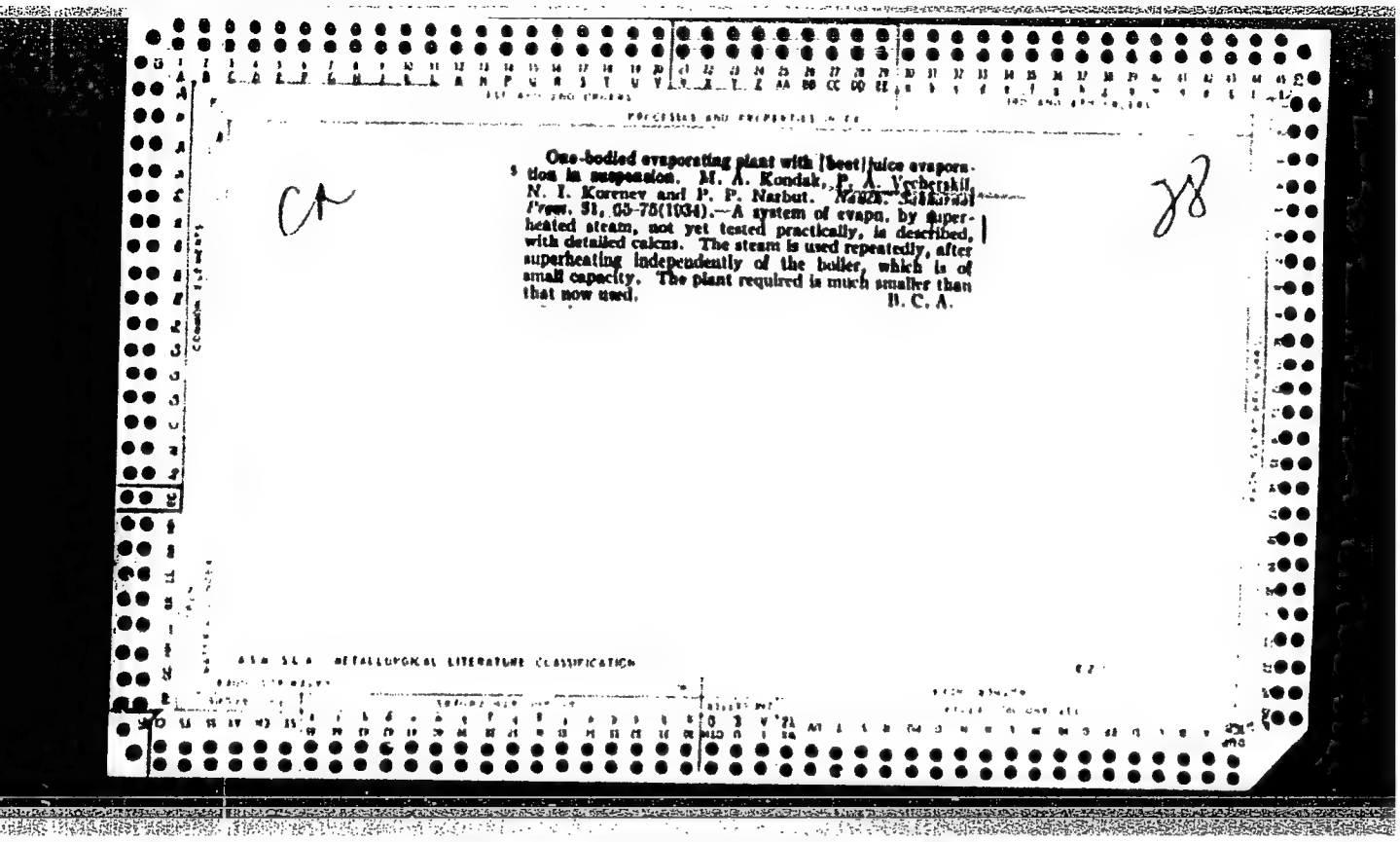
VECHERSKIY, P.A.

Technological mobility of a free-flowing substance as a factor determining the dynamics of the process of granulation by adhesion. Trudy KTIPP no.27:133-142 '63. (MIRA 17:5)

ZAYTSEV, N.V., kandidat tekhnicheskikh nauk; KOSITSYN, I.A., dotsent, redaktor; DAMASKINA, G.B., redaktor; VECHERSKIY, P.A., dotsent, retsenzent; KOSITSYN, I.A., dotsent, retsenzent; KOS'MIN, T.F., inzhener, retsenzent; NUDEL'MAN, G.E., inzhener, retsenzent; MEDVEDEVA, L.A., tekhnicheskiy redaktor.

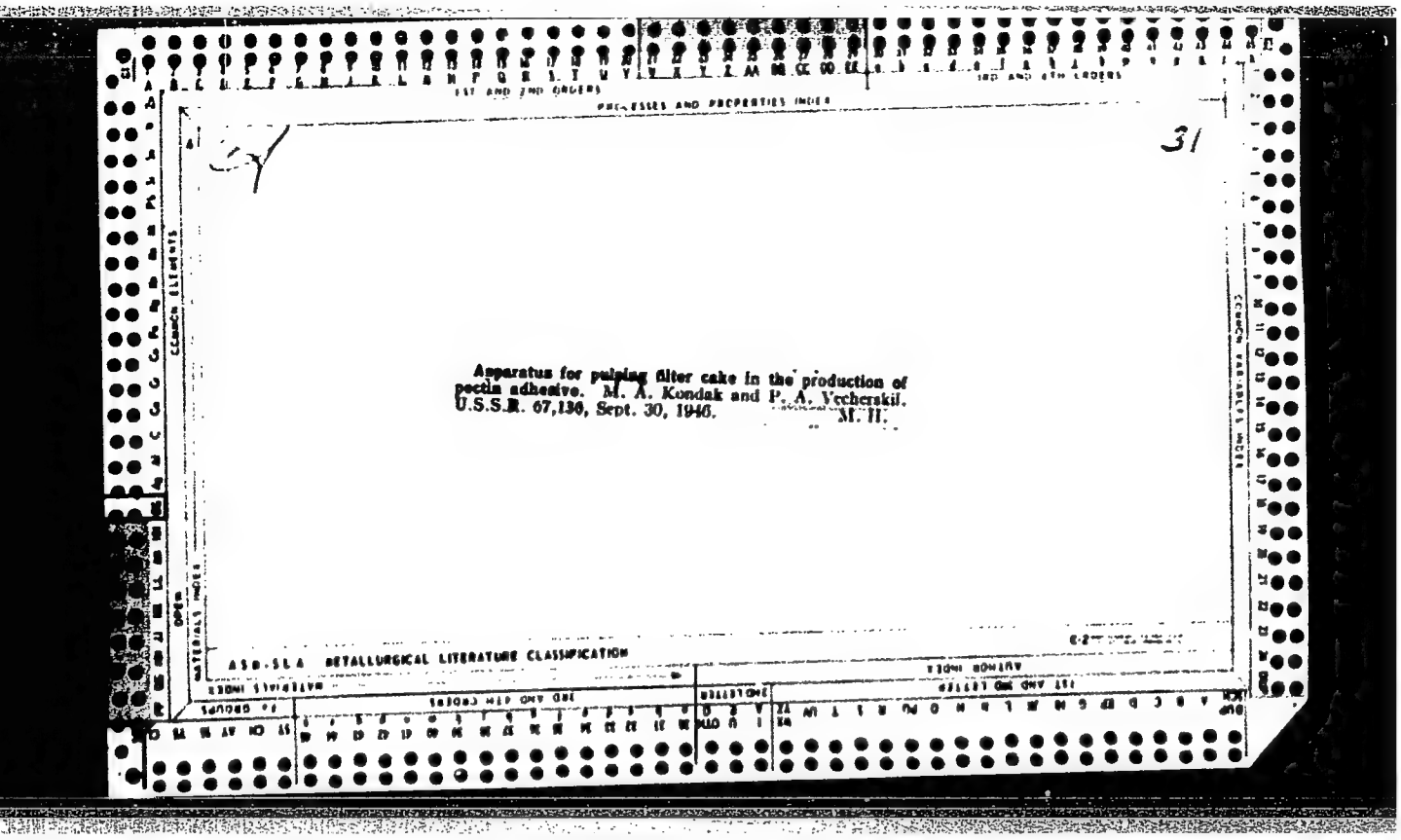
[Technological equipment of bakeries] Tekhnologicheskoe oborudovanie khlebozavodov. Pod red. I.A.Kositsyna. Moskva, Pishchepromizdat, 1954. 431 p. [Microfilm] (MLRA 8:2)

(Bakers and bakeries--Equipment and supplies)

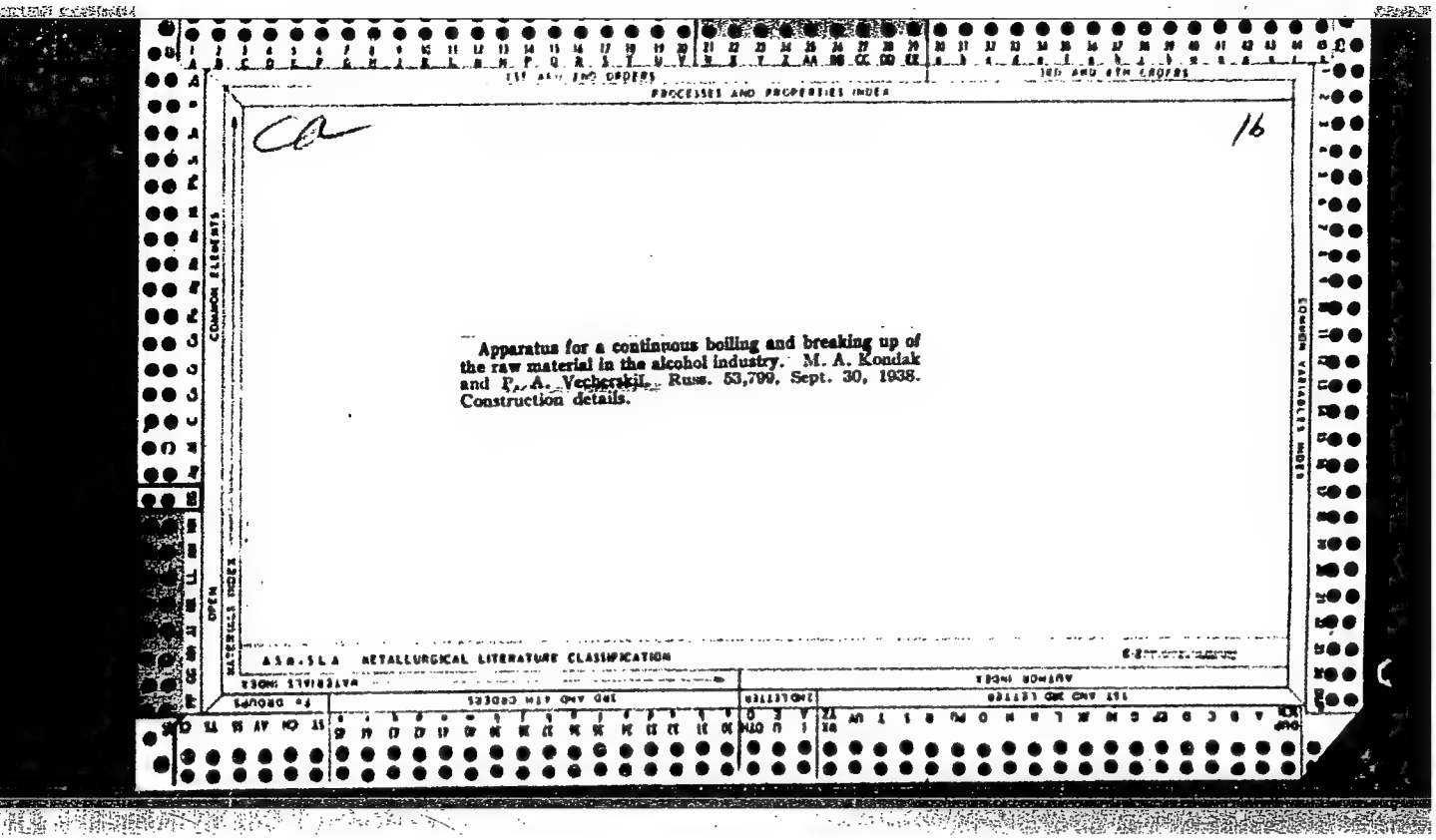


One-bodied evaporating plant with [beet] juice evaporation in suspension. M. A. Kondak, P. A. Verbetskii, N. I. Korenev and P. P. Narbut. *Sakhar. Sakharnaya Prom.*, 31, 65–75(1934).—A system of evapn. by superheated steam, not yet tested practically, is described, with detailed calcns. The steam is used repeatedly, after superheating independently of the boiler, which is of small capacity. The plant required is much smaller than that now used.

B. C. A.



Apparatus for pulping filter cake in the production of pectin adhesive. M. A. Kondak and P. A. Vecherskii. U.S.S.R. 67,136, Sept. 30, 1946.



Apparatus for a continuous boiling and breaking up of the raw material in the alcohol industry. M. A. Kondak and P. A. Vecherskii. Russ. 53,799, Sept. 30, 1938. Construction details.

VECHERSKIY, P.A., kand.tekhn.nauk; YAROTSKIY, V.G., inzh.

Granulation of slat dust. Khim.mashinostr. no.1:17-19 Ja-F '64. (MIRA 17:4)

VECHERSKIY, P.A.

Performance of adhesion granulators for free-flowing substances. Izv. vys. ucheb. zav.; pishch. tekh. no.4: 108-115 '63. (MIRA 16:11)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra protsessov i apparatov.

VECHERSKIY, P.A.

Study of the flow of loose substances in the process apparatus.
Trudy KTIPP no.21:99-107 '59. (MIRA 14:1)
(Granular materials)

VECHERSKIY, P.A.

Measuring instrument for studying the flow of loose substances during their treatment in the processing apparatus. Trudy KTIPP no.21:109-121 '59. (MIRA 14:1)
(Granular materials)

VECHERSKII, P. A.

Apparatus for pulping filter cake in the production of pectin adhesive. M. A. Kondak and P. A. Vecherskii. U.S.S.R. 67,136, Sept. 30, 1946.

VECHERSKIY, P.A.

Processing of bulk substances in adhesion granulators. Izv.vys.-ucheb.zav.; pishch. tekh. no.3:124-125 '63. (MIRA 16:8)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra protsessov i apparatov.

(Granulation)

VECHERSKIY, Yu.I., inzh.

Electric power supply to automatic block systems in a.c. electrified railraod districts. Avtom., telem. i sviaz' 6 no.3:26-29 Mr '62. (MIRA 15:3)

(Electric railroads--Current supply)
(Electric railroads--Signaling--Block system)

VECHERUK, V. I.

"Application of Nonlinear Elements in Automatic Regulation Systems." Cand Tech Sci, Leningrad Polytechnic Inst, Leningrad, 1954. (RZhMekh, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

GLADCHENKO, A.N., inzh.; KRYLOV, E.S., inzh.; VECHERYA, B.G., inzh.

Introducing sandblast mold making. Mashinostroenie no.2:
47-48 Mr-Ap '65. (MIRA 18:6)

VECHERYA, B.G.; KLIBUS, Yu.V.

New grade of stainless steel. Lit.proizv. no.9:43-44 S '62. (MIRA 15:11)

(Steel, Stainless)

UDC 669.14.018.29

TITLE: New stainless steels

SOURCE: Mashinostroyeniye, no. 5, 1964, 34-35

TOPIC TAGS: stainless steel, alloy steel, nickel steel/ 1Kh18N4G4L steel, 2Kh18N4G4L steel, 1Kh18N9TL steel, DSN 1.5 arc furnace

ABSTRACT: Two new types of stainless steel, 1Kh18N4G4L and 2Kh18N4G4L, have been

Replacement of Ni by Mn is possible because the Mn increases the stability of the austenite during cooling. The composition of the charge for producing the steels in an arc furnace of the type

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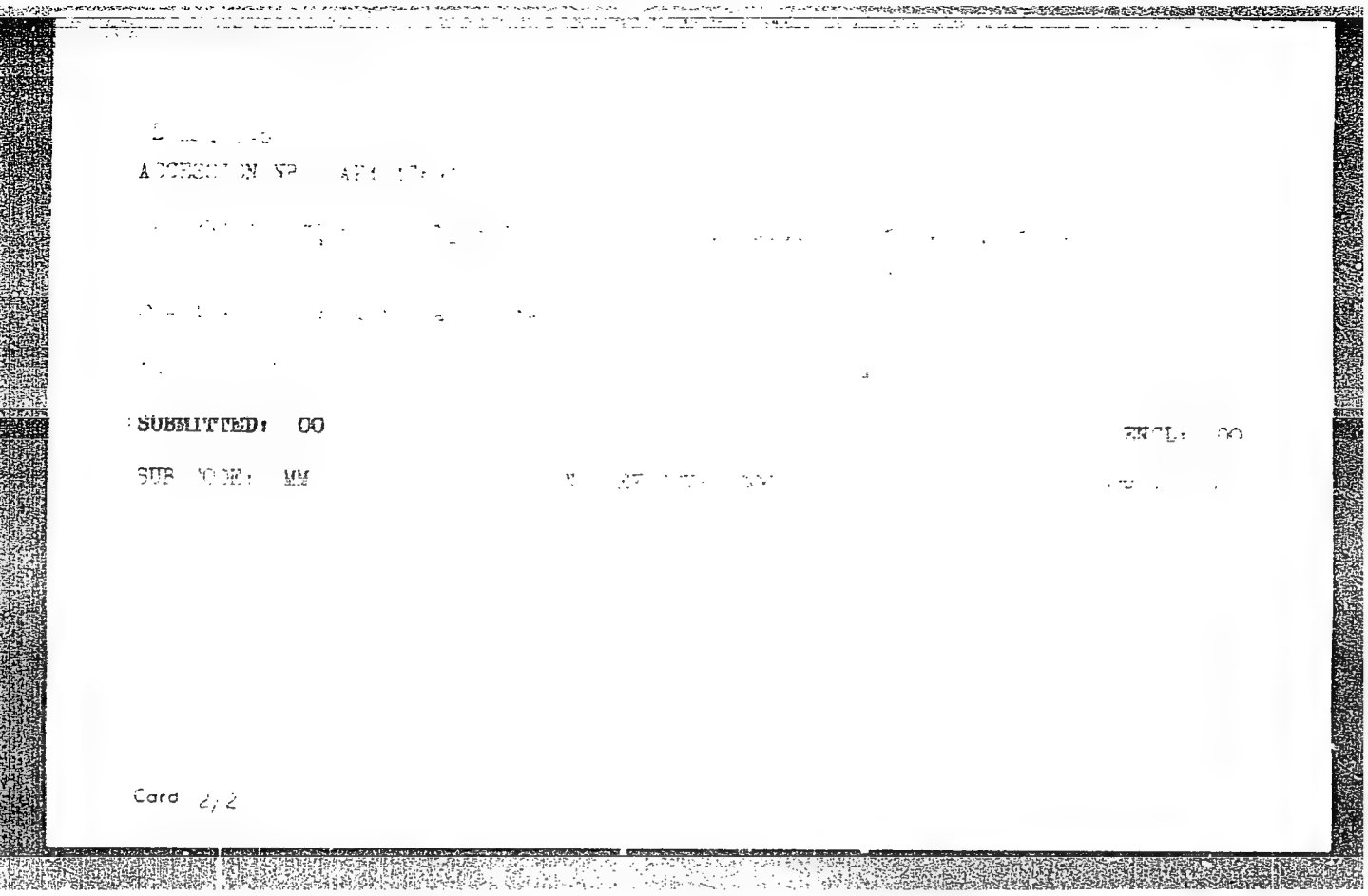

FEDOT'YEV, N.P.; VECHESLAVOV, P.M.; OSTROUMOVA, N.M.; GRILIKHES, S.Ya.

Increasing the durability of gold and silver plated coatings.
Leg.prom. 17 no.3:43-44 Mr 57. (MLRA 10:4)
(Gold plating) (Silver plating)

VECHESLAVOV, V.V., inzh.

Determination of the operational frequency band in registering the $M = f(s)$ of electrical machines. Vest. elektroprom. 33 no.10:65-68 O '62. (MIRA 15:9)
(Electric machinery) (Electric measurements)

24C

L 47301-65 EWT(m)/EPA(w)-2/EWA(m)-2 Pab-10 IJP(c) GS

ACCESSION NR: AT5007921 S/0000/64/000/000/0274/0287

AUTHOR: Bayyer, V. N.; Blinov, G. A.; Bondarenko, L. M.; Yerozolimskiy, B. G.; Korobeynikov, L. S.; Mironov, Ye. S.; Naumov, A. A.; Onuchin, A. P.; Panasyuk, V. S.; Popov, S. G.; Sidorov, V. A.; Sil'vestrov, G. I.; Skrinskiy, A. N.; Khabakhpashev, A. G.; Auslender, V. L.; Kiseley, A. V.; Kushnirenko, Ye. A.; Livshits, A. A.; Rodionov, S. N.; Synakh, V. S.; Yudin, L. I.; Abramyan, Ye. A.; Vasserman, S. B.; Vecheslavov, V. V.; Dimov, G. I.; Papadichev, V. A.; Protopopov, I. Ya.; Budker, G. I.

TITLE: Colliding electron-electron, positron-electron, and proton-proton beams

SOURCE: International Conference on High Energy Accelerators. Dubna, 1963. Trudy. Moscow, Atomizdat, 1964, 274-287

TOPIC TAGS: high energy interaction, high energy plasma, particle physics, particle beam, charged particle beam

ABSTRACT: In the Institute of Nuclear Physics, Siberian Department, Academy of Sciences SSSR, programs on high-energy particle physics are mainly concerned with work on colliding charged particle beams. The Institute considers it unsuitable

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ACCESSION NR: AT5007921

for its purpose to install huge accelerators whose construction requires large resources outlaid and long time. For work on colliding electron-electron, positron-electron, and proton-proton beams, three installations are being built, which are in various stages of readiness. Work on colliding electron beams was conducted at the institute (then a laboratory of the Institute of Atomic Energy imeni I. V. Kurchatov) in the Fall of 1956, after Kerst's report on accelerators with colliding proton beams of the FFAG type. By that time Soviet scientists had already acquired some experience in obtaining large electron currents; in particular, the mentioned laboratory had installed and then abandoned a device for the spiral storage of electrons (G. I. Budker and A. A. Naumov, CERN Symposium, 1, 76 (1956)), by which, subsequently, circulating currents of the order of 100 amperes were obtained. In 1957 two variants of this device were considered at the same time. The first one consisted of two accelerators with spiral storage and subsequent transition of the particles to synchrotron state in comparatively narrow paths. The second one had storage rings with constant magnetic field and frequent external injection because of the damping of the oscillations under the action of radiation. The first variant was more cumbersome; the second variant contained an element not developed at that time, namely a 100-kilovolt commutator of 10 kilo-amperes with nanosecond front. At the end of 1957, the first positive results were obtained

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with a packing discharger of 100 kilovolts, and work stopped on the variant with storage rings. Originally it was proposed to set up two devices: VEP-1 of 2 × 130 Mev energy, and VEP-2 of 2 × 500 Mev energy. The VEP-1 was considered as an actual model of an accelerator and as a device for conducting initial experiments at low energies. After the Panofsky report in 1958 on his work with colliding electron beams conducted in his laboratory at Stanford, construction ceased on 500-Mev storage paths and work was continued on the 2 × 130-Mev installation. Instead of work on colliding electron beams with energies of 500 Mev, work at the end of 1958 was conducted with colliding positron-electron beams and the planning of the VEPP-2 device was begun, whose main elements are a strong-current electron accelerator and a high-vacuum storage path of 700 Mev energy. At the present time the VEP-1 and VEPP-2 are installed in Novosibirsk. The VEP-1 is in a state of neglect, but at the end of 1964 experiments will be begun with it. Installation of the VEPP-2 has been completed. To obtain a marked effect from the application of colliding proton beams, an accelerator is needed with an energy of at least 10 Gev. Since the ordinary accelerator at such energies is a very bulky machine, it was decided to combine the idea of colliding proton beams with the creation of an iron-less impulse accelerator with very large fields and a neutralized central busbar. This latter work of creating such a machine was reported by the authors at a Moscow conference

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held in 1956. The presence of a field with two directions in an iron-less accelerator with central busbar permits the acceleration of protons toward opposite sides in one machine, which makes possible the collision of protons in case of a suitable race-track. At the present time the Institute is developing a proton device with a magnetic field of about 200 kilogauss and radius of 2 meters for a particle energy of 12 Gev in the beam (equivalent energy is around 300Gev). Tests are being conducted on models, and an effective method of injection by overcharging of negative ions is under study. Also under development are an impulse electric power supply system of 100 million joules capacity and an hf power supply. Since 1958 the Institute has been conducting theoretical investigations on the limits of applicability of quantum electrodynamics [V. N. Bayyer, ZhETF, 37, 1490 (1959), and UFN, 78, 619 (1962)] for the calculation of the radiational corrections to the electrodynamic cross-sections [V. N. Bayyer and S. A. Kheyfets, ZhETF 40, 613-715 (1961) and Nuclear Physics (in print)], and on other problems of high-energy particle physics that are connected with the preparation of experiments on colliding beams [V. N. Bayyer, I. B. Khriplovich, V. V. Sokolov, and V. S. Synakh, in ZhTF, 1961]. The present report takes up under the mentioned three main headings the following pertinent topics: the accelerator-injection, storage paths, electron-optical channel,

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ACCESSION NR: AT5007921

input and output system, experiments on storage, proposed work, experimental set-up, physical layout of magnets, power supply, etc. Orig. art. has: 8 figures.

ASSOCIATION: Institut yadernoy fiziki SO AN SSSR (Institute of Nuclear Physics, SO AN SSSR)

SUBMITTED: 26May64 ENCL: 00 SUB CODE: EE, NP

NO REF SOV: 012 OTHER: 003

Card 5/5

ACCESSION NR: [illegible]

AUTHOR: Vecheslavov, V. V.; Orlov, Yu. F.

34
B

TITLE: Accelerator with nonlinear spiral focusing

19

SOURCE: Atomnaya energiya, v. 18, no. 3, 1965, 209-213

TOPIC TAGS: particle accelerator, strong focusing, linear focusing, spiral focusing, cubic field, accelerator stability, self phasing accelerator

ABSTRACT: This work is related to an earlier study (ZhETF v. 45, 932, 1963) devoted to the solution of the equations of motion of a charged particle in a nonlinear spiral field. In the present article it is proposed to use a spiral field for [illegible]

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L 51069-65
ACCESSION NR: AP5009108

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mate calculations are made of the size of the stability region, of the adiabatic

NR REF SOV: 004 OTHER: 000

L 22413-66 EWT(m) IJP(c)
ACC NR: AP6007944 SOURCE CODE: UR/0089/66/020/002/0112/0117

AUTHORS: Vecheslavov, V. V.; Orlov, Yu. F. 27 B

ORG: none

TITLE: Main properties of nonlinear focusing

SOURCE: Atomnaya energiya, v. 20, no. 2, 1966, 112-117

TOPIC TAGS: focusing accelerator, 19 motion stability, radial acceleration, particle acceleration, phase equilibrium

ABSTRACT: The main purpose of the paper is to confirm the existence of external phase stabilization under cosinusoidal perturbations. Another purpose of the study was to show that phase stabilization actually leads to conservation of stability of motion when adiabatic damping is taken into account, and to confirm the existence of mutual phase stabilization of the r-z oscillations which occur in the absence of an external perturbation near the r-z oscillation resonance. To this end, the authors consider a simple model of nonlinear focusing, which has no special practical significance, but makes it possible, 2

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because of its simplicity, to carry out a sufficiently complete analysis of all the main properties of nonlinear focusing. In this model a symmetrical magnetic field is used whose series expansion contains r and z powers not higher than the fifth. The simple model has even in the first approximation a perturbation theory one r-z resonance in the center of its stability region. The dimensions of the first region of stability are evaluated with allowance for small z-oscillations. It is established that mutual phase stabilization occurs in the region of the r-z resonance. A numerical and partially analytic investigation of these effects is briefly presented. The calculations of the simple model confirm the main concepts of the theory. Orig. art. has: 4 figures and 23 formulas.

SUB CODE: 20/ SUBM DATE: 23Jul65/ ORIG REF: 003/

VECHESLOV, V.

Pervyi torgovyi reis v ust'e Leny. [The first trade passage to the Lena river estuary]. (Vodnyi transport, 1927, no. 9, p. 342-345). DLC: HE561.R8

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

VECHET, A., inz.; CHVOSTEK, J.

The first technical and scientific conference of the briquetting industry in the German Democratic Republic. Paliva 41 no.11:350-353 N '61.

VECHET, A.; VCELAK, V.

Various factors affecting extraction of lignite. p. 265.

PALIVA. (Ministerstvo paliv a Ceskoslovenska vedecka technicka spolecnost pro vyuziti paliv pri Ceskoslovenske akademii ved) Praha, Czechoslovakia, Vol. 39, no. 8, August 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

uncl.

VECHET, A., inz.; VCELAK, dr. inz. CSc.

Experiences in operating the apparatus of ash radiometric control. Paliva 44 no. 7:217-218 Jl '64.

1. Severocaske hnedouhelne doly, briketarna, Sokolov (for Vechet). 2. Institute of Fuel Research, Bechovice (for Vcelak).

VINTER, V.; VECHET, B.

A contribution to the study of combined radiation- and heat-inactivation of bacterial spores. Folia microbiol. (Praha) 9 no.6:352-357 N '64.

1. Department of General Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 4.

ACCESSION NR: AP4042610 Z/0064/64/009/004/0238/0248

AUTHOR: Vinter, V.; Vechet, B.(Vekhet, B.)

TITLE: Spores of microorganisms. 15. The alteration of heat sensitivity and its relation to the radiation resistance of bacterial spores

SOURCE: Folia microbiologica, v. 9, no. 4, 1964, 238-248

TOPIC TAGS: radiation resistance, microbiology, bacteriology, bacterial spore, bacillus, thermal resistance, dipicolinic acid, calcium, x ray, ultraviolet ray, tetracycline, cysteine

ABSTRACT: The addition of different concentrations of cysteine or thioproline ($1 \cdot 10^{-4}$ to $5 \cdot 10^{-4}$ M) to the culture at the onset of formation of Bacillus cereus prespores, that is, before commencement of dipicolinic acid synthesis, led to the death of some of the cells and injured the thermoprotection mechanism of the surviving spores. In control spores with a high dipicolinic acid content, inactivation by heating at 85C was preceded by a lag phase, while in cysteine-

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and thioproline-treated spores this lag phase was completely absent and the death rate of most of the spores (D-value = 17) was actually higher than the final death rate of the control spores (D-value = 33). A small proportion of the treated spores in the inhibited cultures (less than 10%) displayed almost the same heat resistance as untreated spores. The heat sensitivity of treated spores was greater than might have been anticipated from their dipicolinic acid content. Their resistance to x-rays was not reduced, but actually increased. The results are discussed with reference to the differentiation of a possible "basal" and "additional" spore thermoprotection mechanism and to differentiation of the nature of heat and radiation resistance in bacterial spores. The experimental results are presented in 5 graphs. Orig. art. has: 5 figures.

ASSOCIATION: Department of General Microbiology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague

SUBMITTED: 29Dec63

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 039

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859220007-7"